

CORR to US 5,559,014 and US 6,156,883

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WPI Acc No: 1991-178111/199124

Related WPI Acc No: 1994-150836

XRAM Acc No: C91-076921

Double stranded cDNA for norwalk-type virus detection -
comprises fragments large enough to bind norwalk or related virus genome
for identification and characterisation

Patent Assignee: BAYLOR COLLEGE MEDICINE (BAYU)

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Number of Countries: 017 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9107502	A	19910530				199124 B
CA 2029219	A	19910509				199129
AU 9066432	A	19910613				199137
JP 6506823	W	19940804	JP 90515696	A	19901030	199435
			WO 90US6285	A	19901030	
US 5559014	A	19960924	US 89433492	A	19891108	199644
			US 95485576	A	19950607	
US 6156883	A	20001205	US 89433492	A	19891108	200066
			US 90515993	A	19900427	
			US 90573509	A	19900827	
			US 93184885	A	19930204	

Priority Applications (No Type Date): US 90573509 A 19900827; US 89433492 A
19891108; US 90515993 A 19900427; US 95485576 A 19950607; US 93184885 A
19930204

Cited Patents: 8 Jnl. Ref: US 4554101; US 4683202

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9107502	A				
Designated States (National): AU JP					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE					
JP 6506823	W		C12N-015/33	Based on patent WO 9107502	
US 5559014	A	10	C12N-015/10	Cont of application US 89433492	
US 6156883	A		C07K-016/00	CIP of application US 89433492	
				CIP of application US 90515993	
				Cont of application US 90573509	

Abstract (Basic): WO 9107502 A

A cDNA comprising a specific sequence of 7722 amino acids and its fragments (I) are new. The fragments are large enough to bind a Norwalk or related virus genome for identification or amplification. Also claimed are: A RNA-dependent RNA polymerase or its fragments (II) comprising a specific amino acid sequence contg. 132 codons is also claimed. A polyclonal antibody specific for at least one antigenic site of a peptide encoded by at least part of (I); a hybridoma (III) which produces a monoclonal antibody (MAb) specific for a peptide encoded by at least part of (I); and the MAb produced by (III); are claimed.

Prepn. of a Norwalk or related virus detecting RNA probe comprises subcloning and growing a Norwalk virus cDNA into a transcription vector, making single stranded RNA in vitro with RNA polymerase and isolating the RNA. The Norwalk or related virus is identified in a suspect sample (IV) by addn. of cDNA or RNA to the sample under hybridisation concns. and measuring the amt. of bound

probe.

USE - The cDNA and amino acid sequences and the antibodies are useful in the detection of Nor walk or related viruses in a suspect sample.

Dwg. 0/10

Title Terms: DOUBLE; STRAND; CDNA; NOR; WALKING; TYPE; VIRUS; DETECT;
COMPRISE; FRAGMENT; BIND; NOR; WALKING; RELATED; VIRUS; GENOME; IDENTIFY;
CHARACTERISTIC

Derwent Class: B04; D16

International Patent Class (Main): C07K-016/00; C12N-015/10; C12N-015/33

International Patent Class (Additional): A61K-039/12; C12N-005/12;

C12N-005/20; C12N-009/12; C12N-015/40; C12P-019/34; C12P-021/04;

C12P-021/08; C12Q-001/68; G01N-033/53

File Segment: CPI

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